

**Listing of the Claims:**

1. (Currently Amended) An apparatus for supplying network services over fiber optic cable to a particular building, the apparatus comprising:

a service pipe that conveys gas between a gas main and a gas meter for the particular building;

a nipple, the nipple including a sidewall directly contacting an outer surface of the service pipe;

a flexible tube disposed inside the service pipe and the nipple;

a pressure fitting directly attached to the sidewall of the nipple, the pressure fitting sealing an end of the flexible tube to the nipple and, the tube sealed at each end to an outside surface of the service pipe at a pressure fitting for providing access to an inside of the tube; and

a fiber optic cable disposed inside the flexible tube, with each end of the fiber optic cable outside the service pipe.

2. (Original) The apparatus of Claim 1, wherein the flexible tube does not leak at an operating gauge pressure for gas between the tube and an inside of the service pipe.

3. (Original) The apparatus of Claim 1, wherein the pressure fitting does not leak at an operating gauge pressure for gas between the tube and an inside of the service pipe.

4. (Original) The apparatus of Claim 1, wherein:

a first pressure fitting, at one end of the flexible tube, is at a first location convenient for connecting the fiber optic cable to the particular building; and

a second pressure fitting, at a different end of the flexible tube, is at a second location convenient for connecting the fiber optic cable to a network cable.

5. (Original) The apparatus of Claim 1, wherein a diameter of the service pipe is less than about six inches.

6. (Currently Amended) A method for pulling fiber optic cables through gas service pipes, the method comprising the steps:

stopping gas flow from a gas main to a service pipe that conveys gas between the gas main and a gas meter for a particular building;

forming, at a first location convenient for connecting fiber optic cable to the particular building, a first hole within the service pipe;

joining to the service pipe, at [[a]] the first location convenient for connecting fiber optic cable to the particular building, a first nipple that provides for a flexible tube a pass way between an inside of the service pipe and an outside of the service pipe, the first nipple including a first matching diameter pipe covering the first hole, wherein an inner diameter of the first matching diameter pipe is substantially equal to a diameter of the first hole;

forming, at a second location convenient for connecting fiber optic cable to a network cable, a second hole within the service pipe;

joining to the service pipe, at [[a]] the second location convenient for connecting fiber optic cable to a network cable, a second nipple that provides for the flexible tube a pass way between the inside of the service pipe and the outside of the service pipe, the second nipple

including a second matching diameter pipe covering the second hole, wherein an inner diameter of the second matching diameter pipe is substantially equal to a diameter of the second hole;

feeding the flexible tube through a catch nipple, wherein the catch nipple includes one of the first nipple and the second nipple, after passing the flexible tube through one of the first and second nipples [[a]] different from the catch nipple of the first nipple and the second nipple and through the inside of the service pipe, wherein the feeding includes feeding the flexible tube through the entire length of the matching diameter pipe of the catch nipple;

sealing the flexible tube to the first nipple and the second nipple for pressures up to a predetermined maximum pressure; and

feeding a fiber optic cable through the flexible tube.

7. (Original) The method of Claim 6, wherein a diameter of the service pipe is less than about six inches.

8. (Original) The method of Claim 6, wherein a diameter of the service pipe is greater than about one inch.

9. (Original) The method of Claim 6, further comprising the step of cutting an opening into the service pipe, the opening sufficient for reaching the flexible tube inside the service pipe and manipulating the flexible tube into the catch nipple.

10. (Original) The method of Claim 6, further comprising the step of evacuating gas from the service pipe after said step of stopping the gas flow and before said steps of joining the first nipple and joining the second nipple.

11. (Original) The method of Claim 6, further comprising the step of restoring gas flow into the service pipe after said steps of sealing the flexible tube, joining the first nipple, and joining the second nipple.

12. (Original) The method of Claim 9, further comprising, before said step of restoring the gas flow, performing the step of sealing to the service pipe a component that covers the opening for pressures up to the predetermined maximum pressure.

13. (Original) The method of Claim 12, wherein the component that covers the opening includes the catch nipple.

14. (Original) The method of Claim 12, wherein the component that covers the opening includes a fitting and two couples.

15. (Original) The method of Claim 6, wherein the predetermined maximum pressure is in a range from about 75 pounds per square inch, in gauge pressure, (psig) to about 100 psig.

16. (Original) The method of Claim 11, wherein said step of feeding the fiber optic cable through the flexible tube is performed after said step of restoring the gas flow.

17. (Original) The method of Claim 11, further comprising replacing the fiber optic cable passing through the flexible tube after said step of restoring the gas flow.

18. (Original) The method of Claim 9, said step of cutting the opening further comprising removing a longitudinal portion of the service pipe.

19. (Original) The method of Claim 9, wherein:

the first nipple is the catch nipple;

    said step of joining the first nipple is performed after said steps of cutting the opening and feeding the flexible tube through the catch nipple; and

    said step of joining the first nipple further comprises

        covering the opening with a component including the catch nipple, and

        sealing the component to the service pipe for pressures up to the predetermined

maximum pressure.

20. (Original) The method of Claim 9, wherein:

    the second nipple is the catch nipple;

    said step of joining the second nipple is performed after said steps of cutting the opening and feeding the flexible tube through the catch nipple; and

    said step of attaching the second nipple further comprises

        covering the opening with a component including the catch nipple, and

sealing the component to the service pipe for pressures up to the predetermined maximum pressure.

21. (Original) The method of Claim 6, said step of joining the first nipple further comprising sealing the first nipple to the service pipe for pressures at least up to the predetermined maximum pressure.

22. (Original) The method of Claim 6, said step of joining the second nipple further comprising sealing the second nipple to the service pipe for pressures at least up to the predetermined maximum pressure.

23. (Original) The method of Claim 6, further comprising accessing the first location without cutting into a roadway that is used for the passage of motor vehicles.

24. (Original) The method of Claim 6, further comprising accessing the second location without cutting into a roadway that is used for the passage of motor vehicles.

25. (Currently Amended) A method for supplying network services over fiber optic cables to a particular building, the method comprising the steps of:

forming a hole in a gas service pipe connected to a building, wherein the hole is formed at a first point proximate to the building;

forming a nipple on the gas service pipe, the nipple including a matching diameter pipe directly contacting the service pipe and covering the hole;

sealing, for pressures up to a predetermined maximum pressure, a flexible tube directly to the matching diameter pipe of the nipple and within [[a]] the service pipe from [[a]] the first point proximate to the particular building to a second point proximate to a network cable; wherein the service pipe conveys gas between a gas main and a gas meter for the particular building;

feeding a fiber optic cable through the flexible tube;

connecting a first end of the fiber optic cable adjacent to the first point to equipment in the particular building; and

connecting a second end of the fiber optic cable adjacent to the second point to the network cable.

26. (Original) The method of Claim 25, further comprising the step of obtaining rights for sealing the flexible tube in the service pipe from a party having property rights over the service pipe.

27. (Original) The method of Claim 25, further comprising the step of charging users of the equipment in the particular building for transferring data over the fiber optic cable.